

MWC2024

100 Years
Leading Change



TELEFÓNICA OPEN GATEWAY

Transformation Handbook



Telefónica Open Gateway

For 100 years, we have been working to drive innovation and digital transformation in the countries where we operate. We offer **quality services, connectivity and technological solutions that improve people's lives and business development**.

We are not content with just preparing for the future, we want to build it. **We want to be agents of change**. Therefore, we evolved our core, which is the network, and took a step forward in the digital ecosystem by joining **Open Gateway**. This transformation turns our network into an open, collaborative and accessible platform for all.

Telefónica Open Gateway seeks to democratise access to telco capabilities through the collaboration of the telecommunications industry and the entire digital ecosystem. The aim is to drive a new generation of digital services in an **efficient and sustainable** way, enabling us to better connect people's lives.

What is Open Gateway?

Open Gateway is a **global** telco industry **initiative**, led by the **GSMA**, which aims to transform communications networks into **programmable platforms**, so that creators of digital experiences can access network capabilities in a **standardised, intuitive and interoperable** way.

These capabilities are exposed through **global, standardized APIs** (Application Programming Interfaces) **under the CAMARA framework**, the open source project led by the Linux Foundation in collaboration with the GSMA.

Open Gateway now has more than **47 mobile operators worldwide**, representing **239 mobile networks**, and **65% of global connections**.

This represents a paradigm shift in the way the industry facilitates collaboration between different actors in the digital ecosystem. Open Gateway drives economic, technological and social progress, facilitating the creation of a new generation of services and benefiting developers, businesses and users.



Who benefits from **Open Gateway?**

Thanks to Open Gateway, the **telco industry** plays a crucial role as an enabler in building new digital services. This represents a **significant benefit for the entire digital ecosystem**.



Companies and start-ups, creating new market opportunities and enabling them to improve the quality of their products and service offerings, regardless of their sector.



Developers, displaying all the capabilities of the network to make application development more agile, simpler, and of higher quality.



End-users, offering them new digital services and improving existing ones with advanced functionalities, enhancing their experience.

How do we do **Open Gateway** at Telefónica?

We have been working for a long time on our internal transformation to materialise Open Gateway and turn our network into a **developer-ready** platform.

Thanks to **Telefónica Kernel**, our API platform that facilitates the development of digital products and services in the countries where we operate, and our programmable networks, we opened our capabilities **faster, more efficiently and based on solid values**. In this way, we guarantee our customers privacy and control over their data, and optimise network usage to reduce resource consumption.

In collaboration with **AWS, Digital Virgo, Infobip, Microsoft Azure and Vonage**, we offer developers our capabilities in the very environments where they work. We do this through **standardized, automated APIs, in real-time, and with just a single line of code**. Currently, we have nine APIs available that enable us to configure a range of **solutions for all industries**.

We took on a leadership role as **market champions in Spain and Brazil** to coordinate telcos' activity in each country and jointly launch multi-telco API proposals. In this way, we became mobilisers of the telco ecosystem, ensuring the adoption and expansion of Open Gateway.

Telefónica Open Gateway is now a reality in Spain, Brazil and Germany, with the commercial launch of network APIs focused on anti-fraud and digital identity services.





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*Integration with AWS
Wavelength technology



QoD Mobile API • Device Location AP

Media • Entertainment • XRI • Carrier Billing API

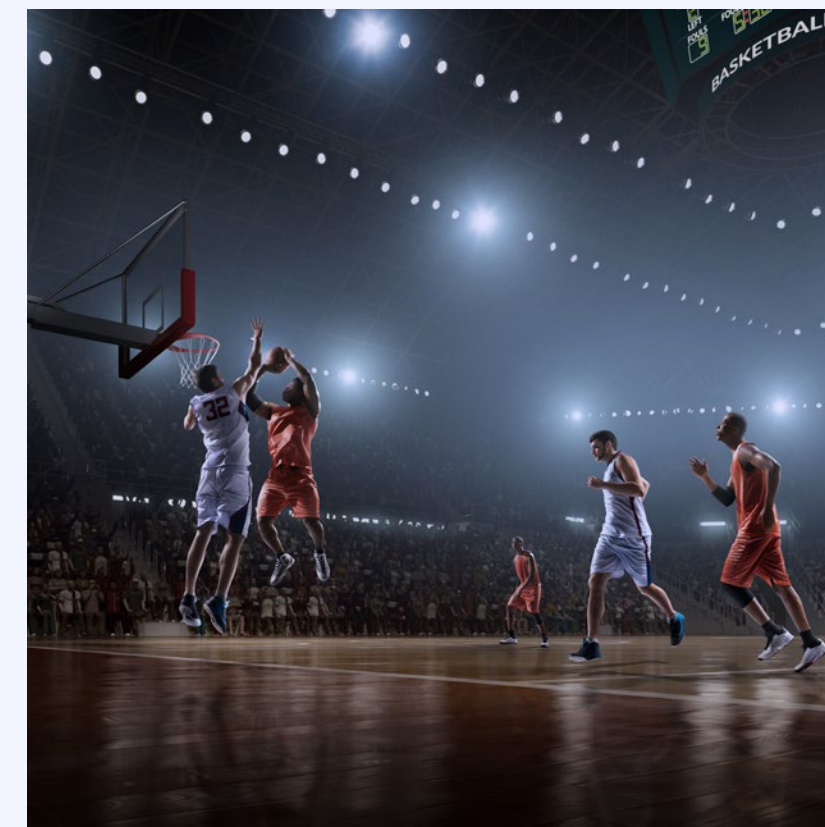
YBVR

Premium entertainment experience

YBVR, a leader in the creation of **immersive real-time experiences for sporting events**, has revolutionised the way fans enjoy the games of the **Copa del Rey acb** by integrating advanced technologies. Among these innovations are the **multi-camera functionality** of its **YB Arena**, which, in order to enhance its operation, requires the integration of the **Device Location and Carrier Billing APIs**. The multi-camera functionality of YB Arena, supported by the **QoD Mobile API** through the **AWS Wavelength** technology, allows users to consume this premium content with **low latency and optimised bandwidth**. This solves the key challenge of providing stable, high quality connectivity in environments with high network demand.

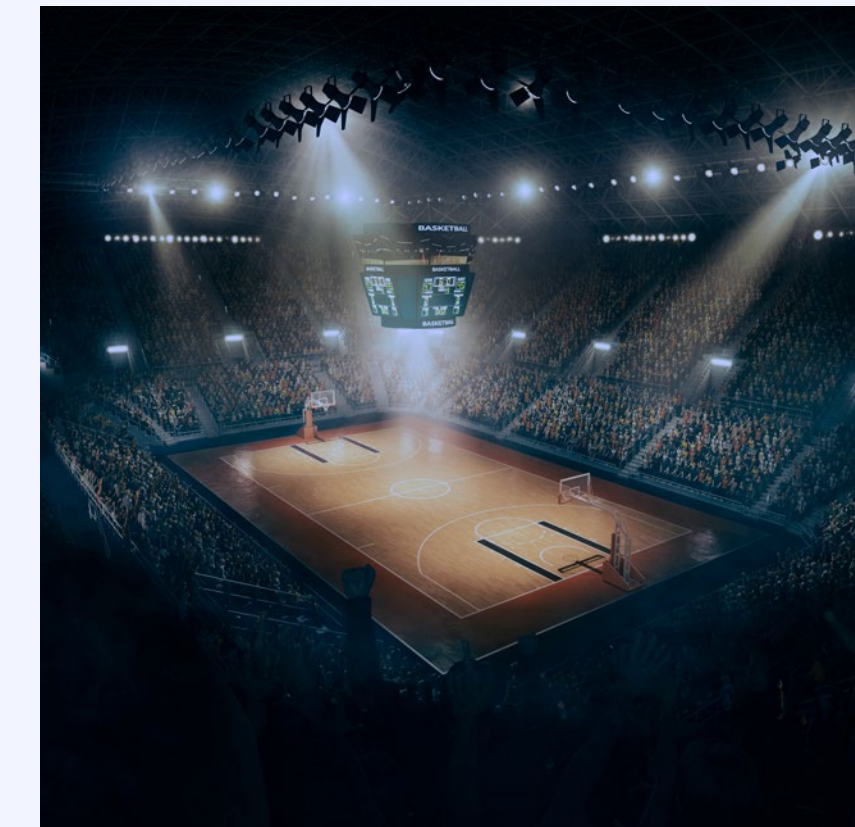
Links: [More use cases on Telefónica Open Gateway web](#)

[Watch the video: New generation stadiums](#)



Goals

For such sporting events, low latency and stable connectivity are essential to deliver smooth live streams via mobile devices such as smartphones. Therefore, verifying the location of users to offer them premium content and facilitating better connectivity are key in environments with high network congestion.



Results

With the integration of the **Device Location API** we verify the exact location of the fans inside the stadium, in order to offer them exclusive and personalised content. On the other hand, the **Carrier Billing API** makes it easy for users to pay for such premium content on their mobile bill quickly and securely. Finally, with the **QoD Mobile API**, we are able to offer viewers this multi-camera functionality without interruption. This joint integration enables exclusive content and simplifies the payment process, redefining the way fans enjoy the ACB League games.



QoD Wi-Fi API • WiFi
Media • Entertainment • XR • Movistar Immersive Experience

Movistar Immersive Experience

Experience sport like never before

Movistar Immersive Experience is a virtual world accessible through **Meta Quest**, which offers users a multi-user experience with which they can enjoy immersive games and exclusive **Movistar Plus+** content, such as episodes of their favourite series or live sporting events.

A stable, high-quality connection is crucial to deliver a truly immersive experience, and sometimes the home WiFi network can be overwhelmed by having multiple devices connected simultaneously. Thanks to **Telefónica Open Gateway's Wi-Fi QoD API**, it is possible to prioritise a device on the 5G WiFi network to ensure a more stable connection and deliver **immersive, multi-camera, quality** sports content.

Links: [More information on Movistar Blog](#)
[Watch the video: Sporting events in your living room](#)

Goals

To offer **Movistar Immersive Experience** users a quality connection in the home, with which they can enjoy the content offered in the **Movistar Dome** space, such as the **Copa del Rey basketball tournament**, without interruptions, in high quality and with a multi-camera experience.



Results

Thanks to the integration of the **QoD Wi-Fi API**, it is possible to prioritise a device connected to the 5Ghz WiFi network to offer each device in the home the connection parameters it requires at any given moment. In this way, it is possible to offer users a **high quality** consumer experience, allowing them to enjoy immersive content to experience sport at home like never before.

Vinted**VONAGE**

**In collaboration with other telecommunications service providers in Spain.*

Number Verification API • Antifraud • Authentication • E-commerce

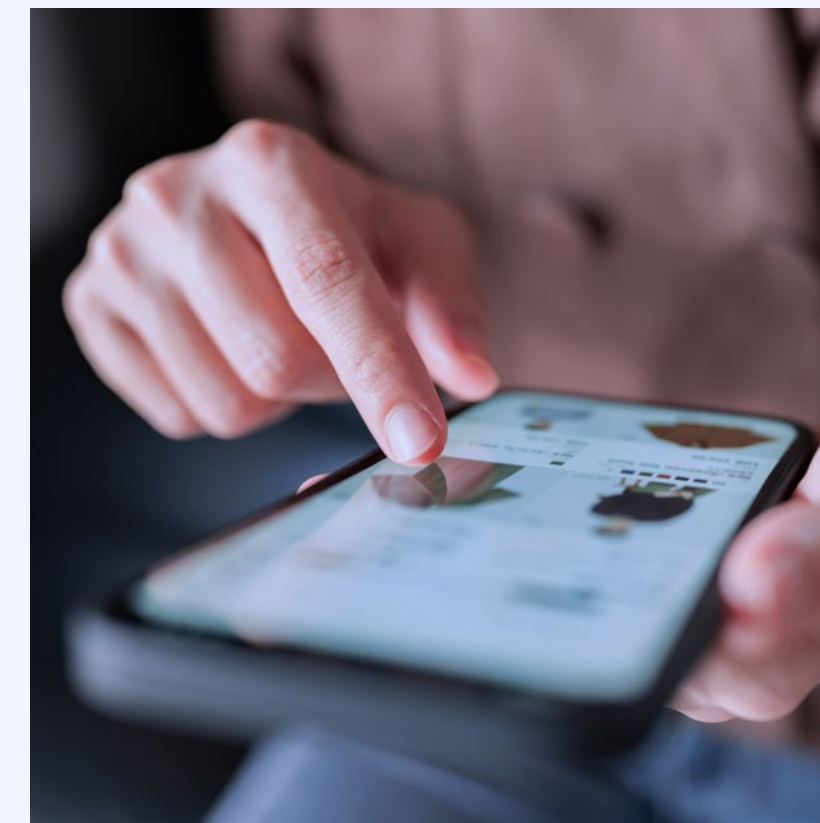
Vinted

Easier and safer shopping

Vinted has managed to connect millions of users through its community marketplace, **becoming the leading e-commerce in second-hand fashion**.

In order to offer a more secure and efficient user experience, **Vinted** together with **Vonage, Telefónica and other telecommunications Service Providers in Spain** will be working to integrate **Open Gateway's Number Verification with Vonage's multi-channel Verify API**. Specifically, they will be focused on simplifying the registration and authentication process, eliminating the need for users to manually enter their credentials or switch screens or devices to verify their data. It therefore offers **automatic validation by associating the device with their phone number**.

Link: [More use cases on Telefónica Open Gateway web](#)



Goals

Simplify the user identification and authentication process to provide a more **convenient and secure consumer experience**, reducing the risks of phishing and password theft.

Results

We will achieve a significant reduction in registration time thanks to the automatic validation provided by the **Number Verification API**. In addition, we will reduce fraud risks by validating the user's identity through **network data**, offering a more secure shopping experience.



SIM Swap API • Antifraud • Financial and insurance services

Itaú

Secure and efficient transactions

The Itaú bank in Brazil, in collaboration with Infobip and the Brazilian teleoperators, has demonstrated its commitment to secure digital transactions by implementing an **anti-fraud API from Telefónica Open Gateway** in its platform. Specifically, this project uses the **SIM Swap API**, whose integration allows the bank to **prevent possible frauds when validating transactions**, using only the **phone number of a device**. The API reports if there has been a recent change in the link between a SIM card and an MSISDN (phone number). In this way, Itaú offers its customers a **more secure and efficient experience**, in line with the digital transformation that the banking sector is undergoing.

Links: [More use cases on Telefónica Open Gateway web](#)
[Watch the video: Fintech services with lower fraud risk](#)

Goals

Strengthen Itaú's authentication process to **ensure secure transactions** for its customers, preventing possible bank fraud or identity theft. In addition, the implementation of this API aims to improve its **operational efficiency**, demonstrating a continued commitment to security.



Results

Thanks to the integration of the **SIM Swap API**, it is possible to prevent possible fraud related to **unauthorized SIM card swaps** (SIM Swapping), verifying that the transaction is performed from a secure device. All this, allows to offer customers a secure and efficient experience in their digital transactions.

Testimonials



YBVR

"As a start-up specialising in the distribution of VR video of sporting events, the services developed with Telefónica Open Gateway allow us to ensure the immersive user experience, maximising quality, security and the use of these services in real time. This technology and global standardisation approach will accelerate the development and adoption of new innovative services on 5G and future networks."

Antonio Campana
Head of Customer Operations, YBVR



Itaú

"At Itaú we constantly study the potential of new technologies to improve customer experience, and it is based on this principle that we were pioneers in the use of Open Gateway in Brazil. With the new possibilities integrated into our API, we want to provide greater security for all of your journeys."

Fabio Napoli
Technology Director, Itaú

Our programs

Companies and developers can now benefit from all the advantages of the initiative, test our APIs and access exclusive resources for free.



Telefónica Open Gateway Partner Program

Aimed at companies interested in marketing our APIs, either directly or indirectly, with the goal of boosting their business, enriching their service offerings, or enhancing the user experience for their customers.

[More information](#)



Telefónica Open Gateway Developer Hub

A lab for developers who want to test our APIs to improve their applications, develop new use cases or create new services in different sectors.

[More information](#)





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Open Gateway on our website:
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**We continue to build the networks
of the future together.**



Find out more in our

Transformation Handbooks

